OIPE JC106 JUL 26 2001 PATENT & TRADEMARK OFFICE

PA-3003555

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Woodard et al.

Serial No.:	09/852,011	Group Art Unit:	2122
Filed:	5/10/2001	Examiner:	UNKNOWN

Title: Server Based Extraction, Transfer, Storage and Processing of Remote Settings, Files and Data

NOTICE TO DRAFTSMAN

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

Please find enclosed 20 page(s) of formal drawings as per **37 CFR 1.84**.

Respectfully submitted,

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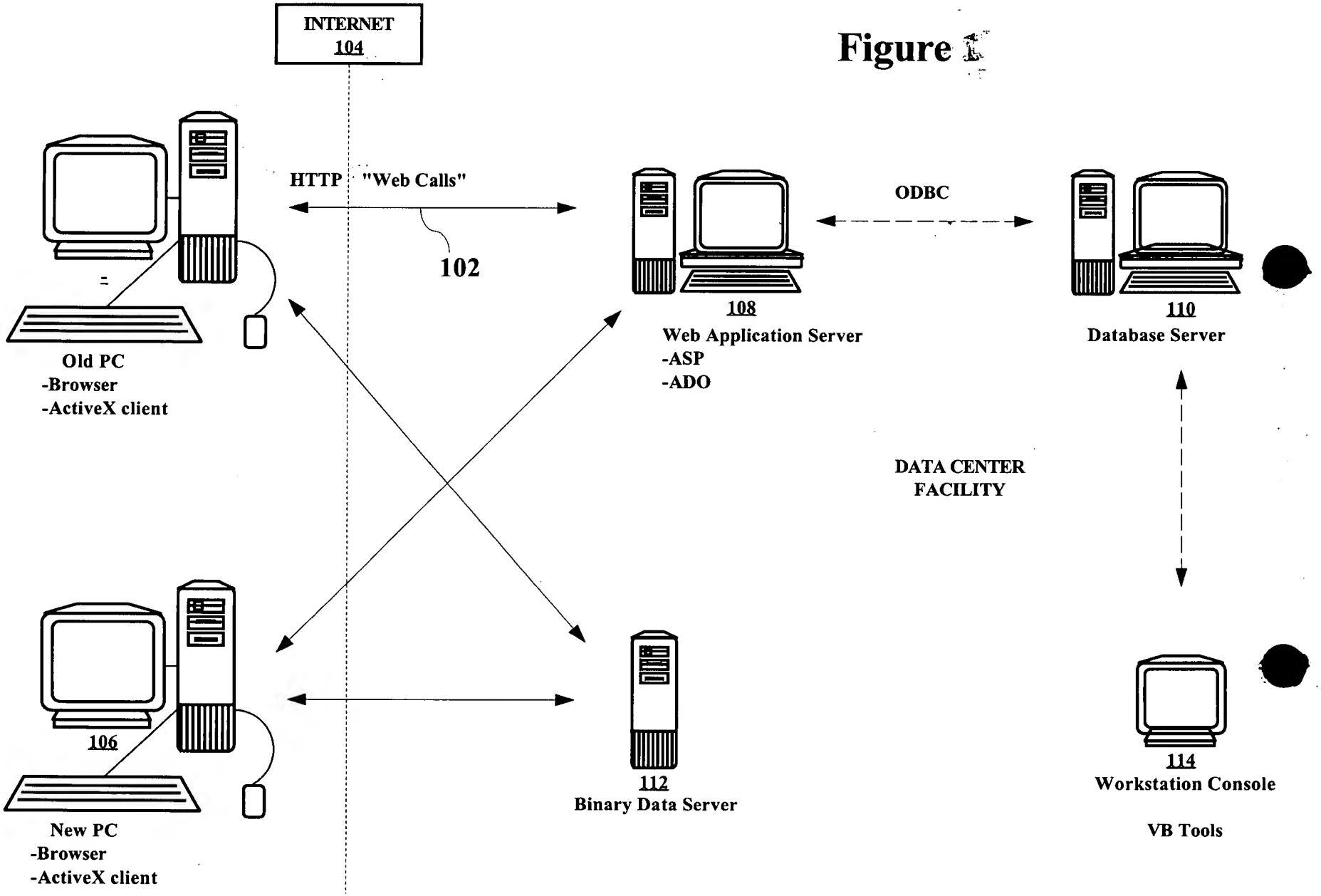
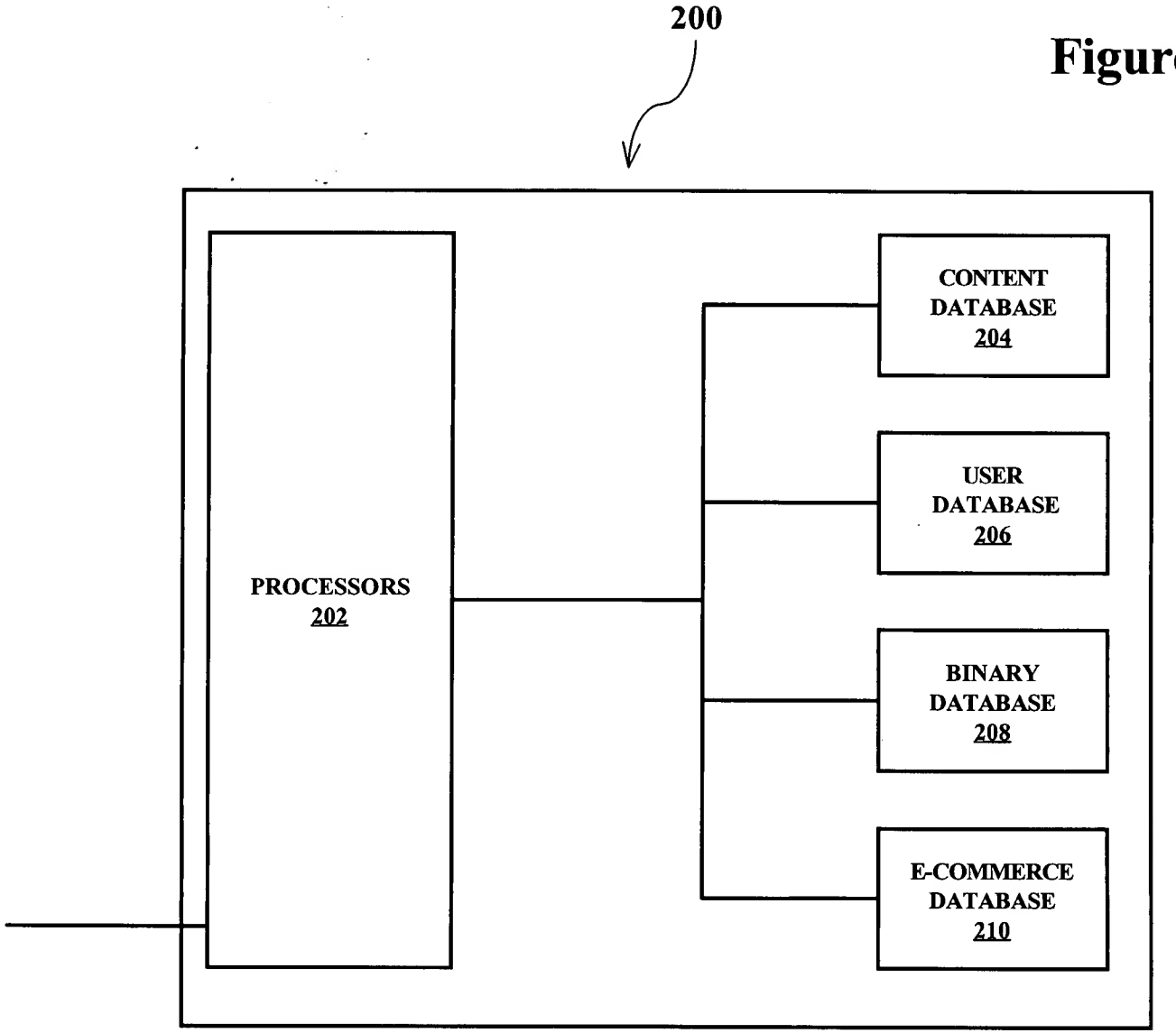
T09220 TT025860

Figure 1



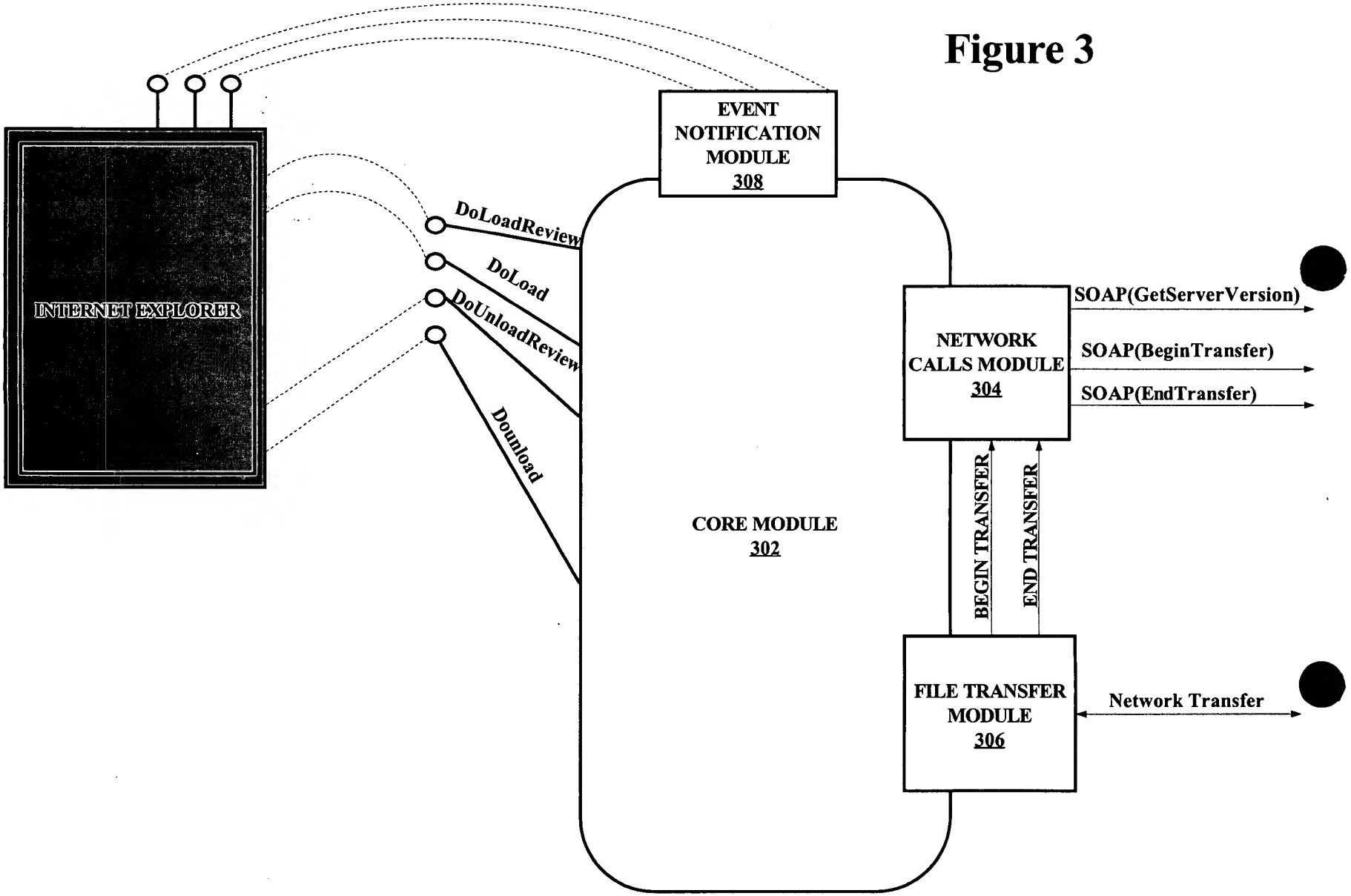
T09270 "TT025860

Figure 2



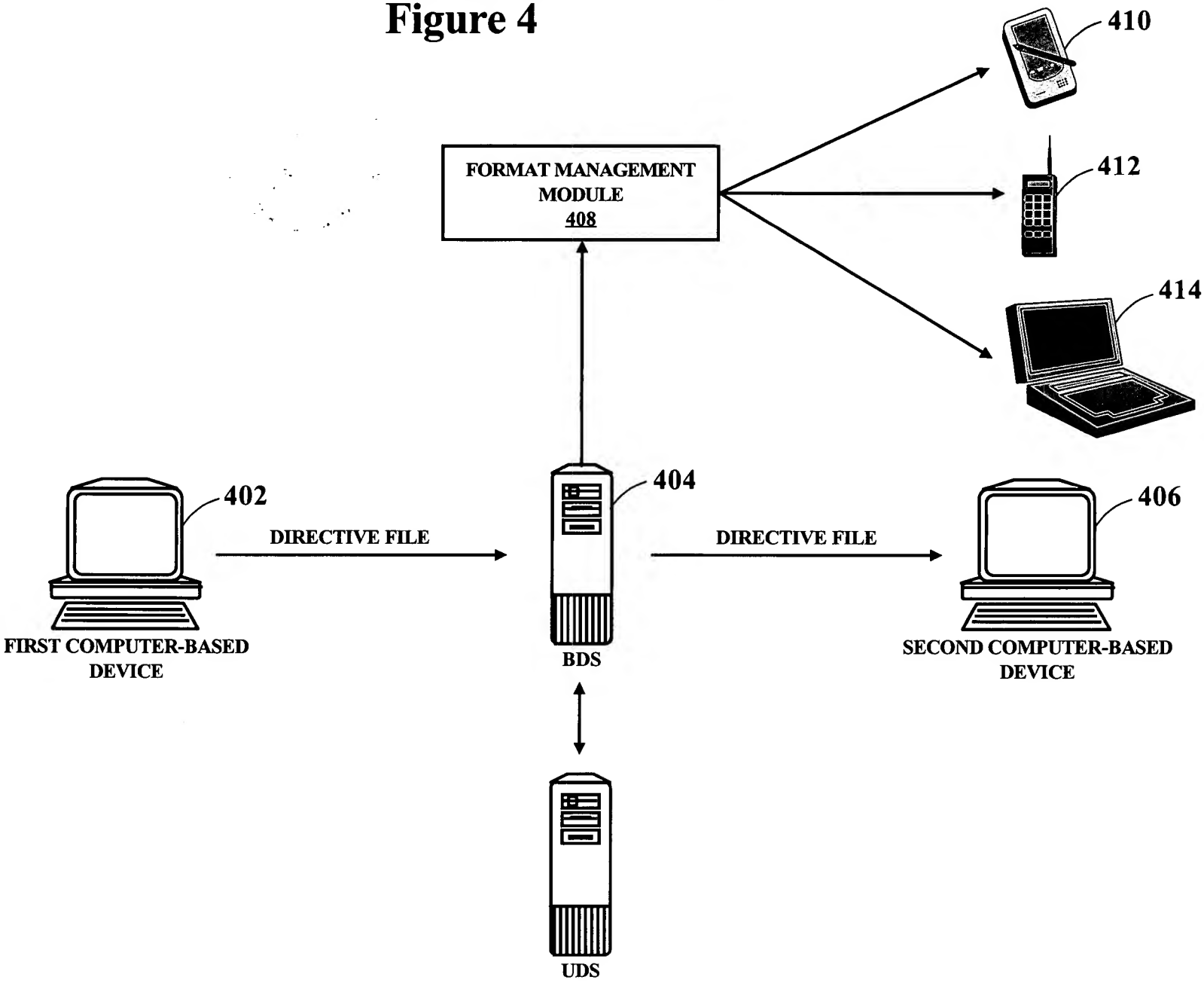
TO9220 "TT025860

Figure 3



T0920 T025860

Figure 4



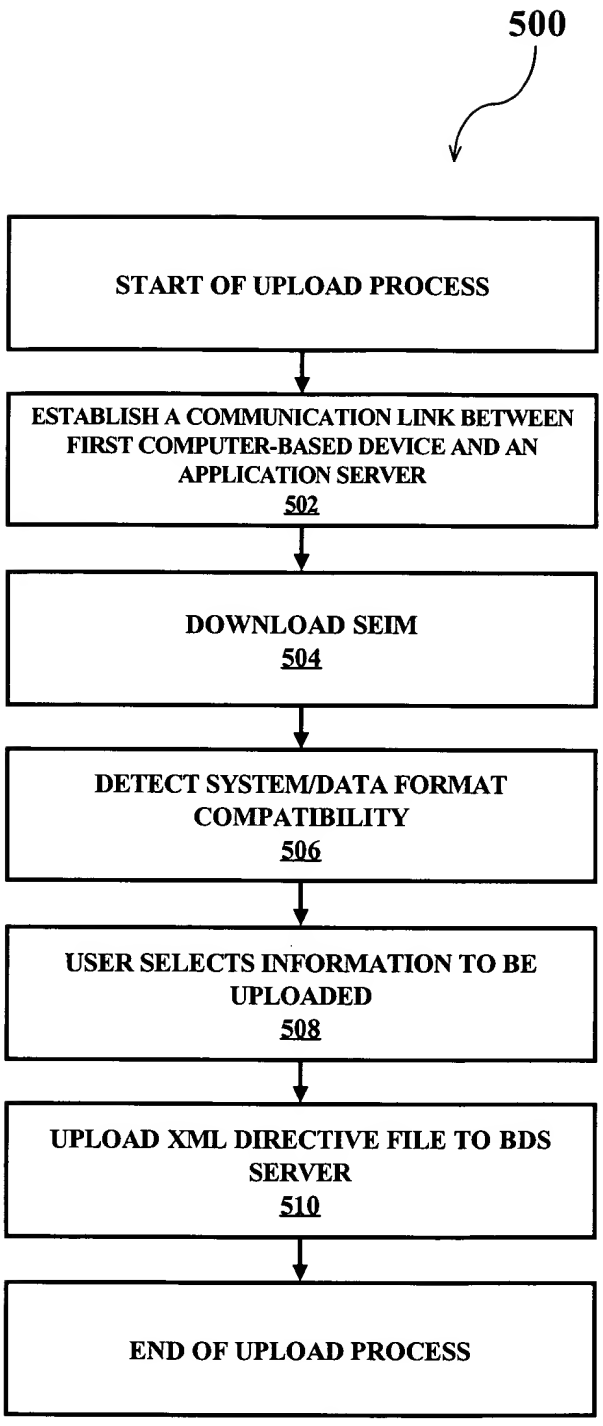

500
START OF UPLOAD PROCESS
ESTABLISH A COMMUNICATION LINK BETWEEN FIRST COMPUTER-BASED DEVICE AND AN APPLICATION SERVER
502
DOWNLOAD SEIM
504
DETECT SYSTEM/DATA FORMAT COMPATIBILITY
506
USER SELECTS INFORMATION TO BE UPLOADED
508
UPLOAD XML DIRECTIVE FILE TO BDS SERVER
510
END OF UPLOAD PROCESS

Figure 5

09605474 - 092504

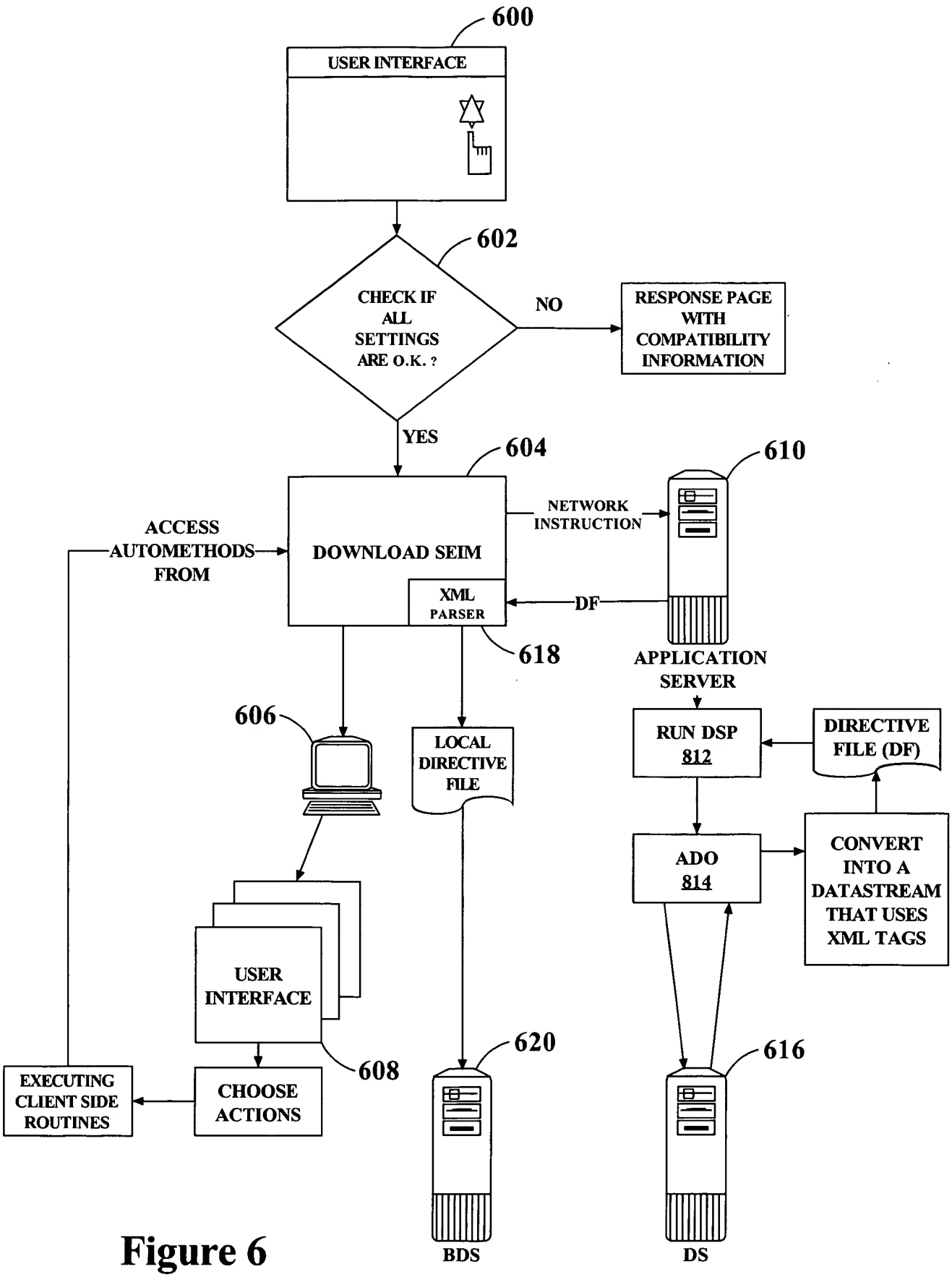


Figure 6

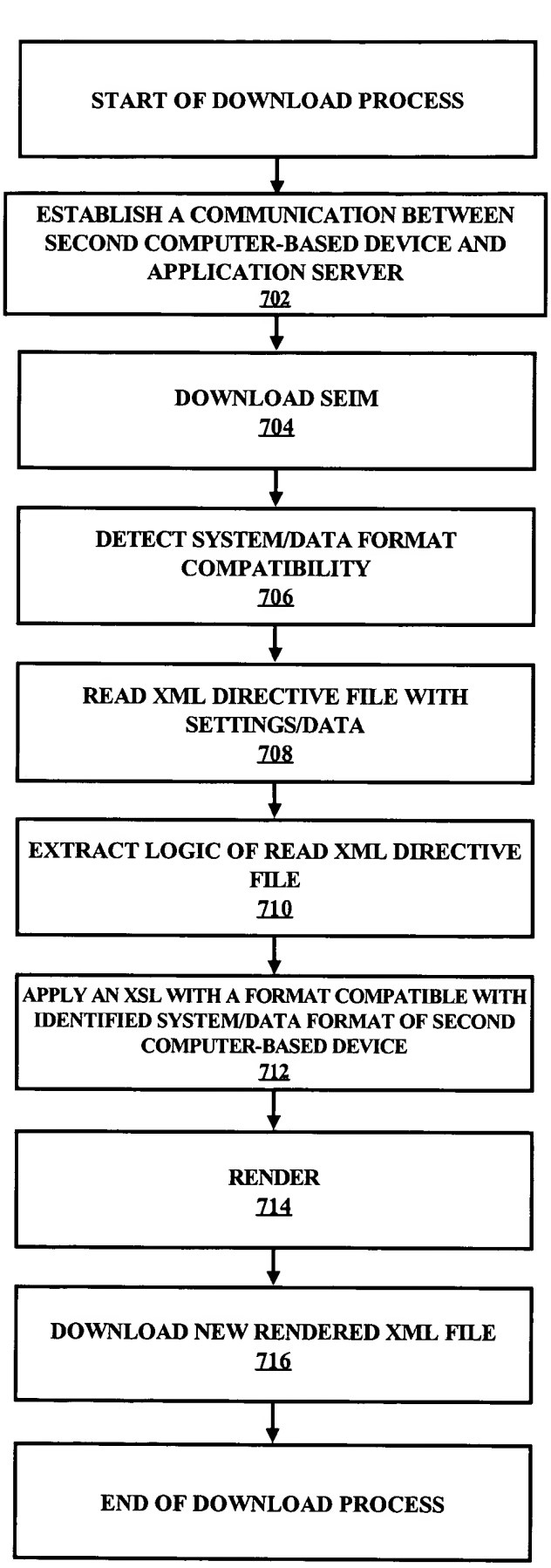


Figure 7

Docket No. 50277-0054

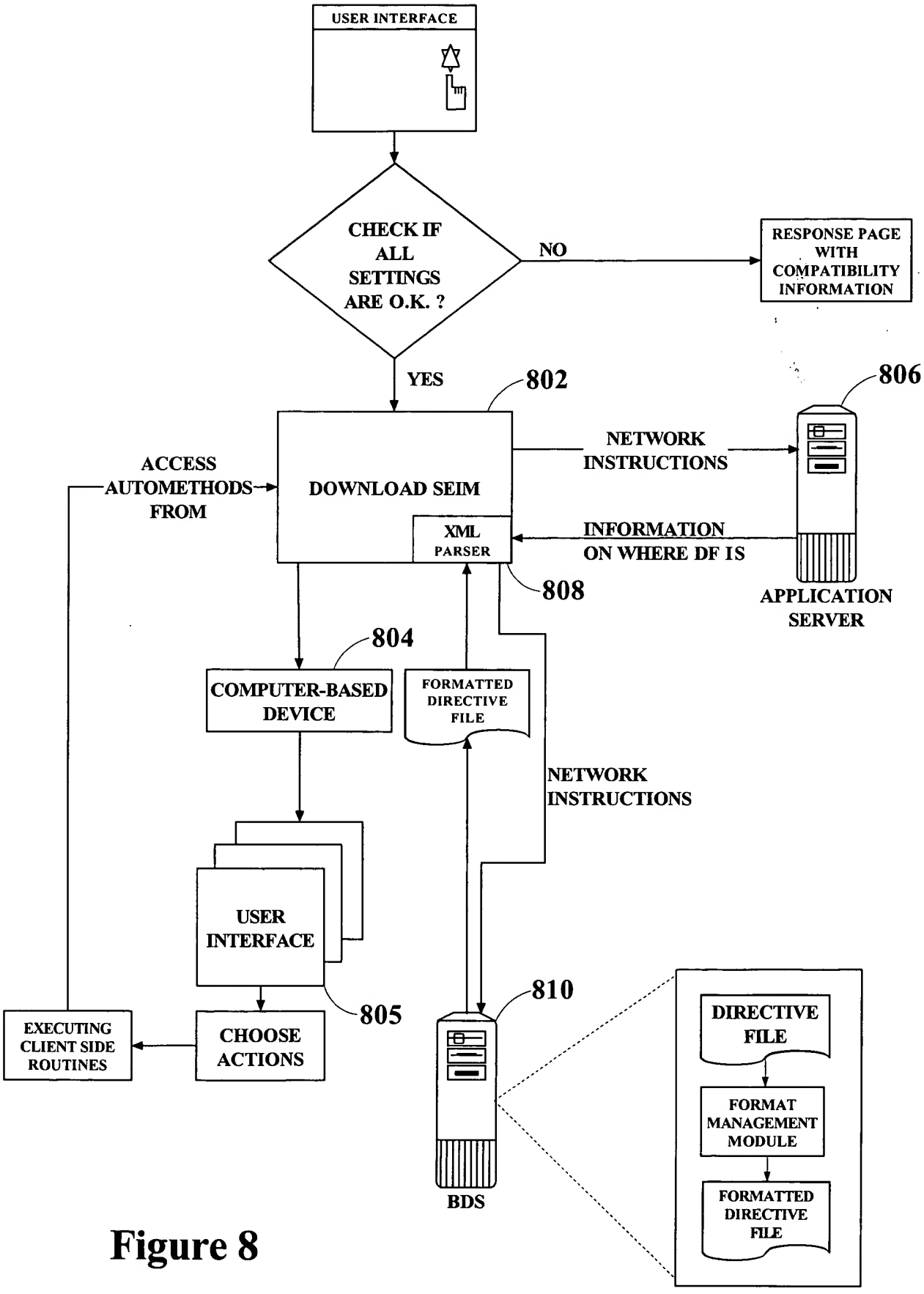


Figure 8

09502174 - 070203

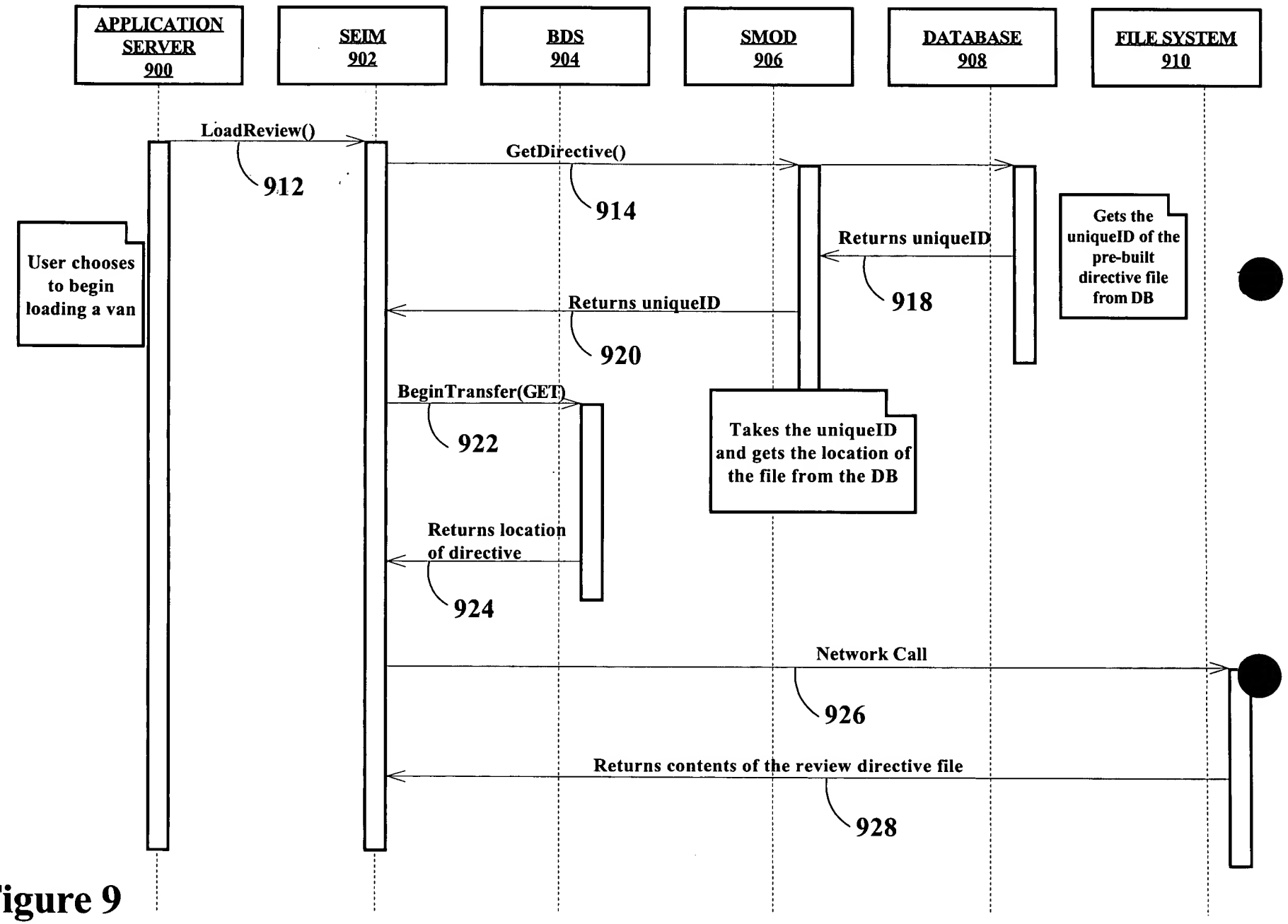

APPLICATION SERVER 900
SEIM 902
BDS 904
SMOD 906
DATABASE 908
FILE SYSTEM 910
LoadReview()
912
GetDirective()
914
Returns uniqueID
918
Gets the uniqueID of the pre-built directive file from DB
User chooses to begin loading a van
Returns uniqueID
920
BeginTransfer(GET)
922
Takes the uniqueID and gets the location of the file from the DB
Returns location of directive
924
Network Call
926
Returns contents of the review directive file
928

Figure 9

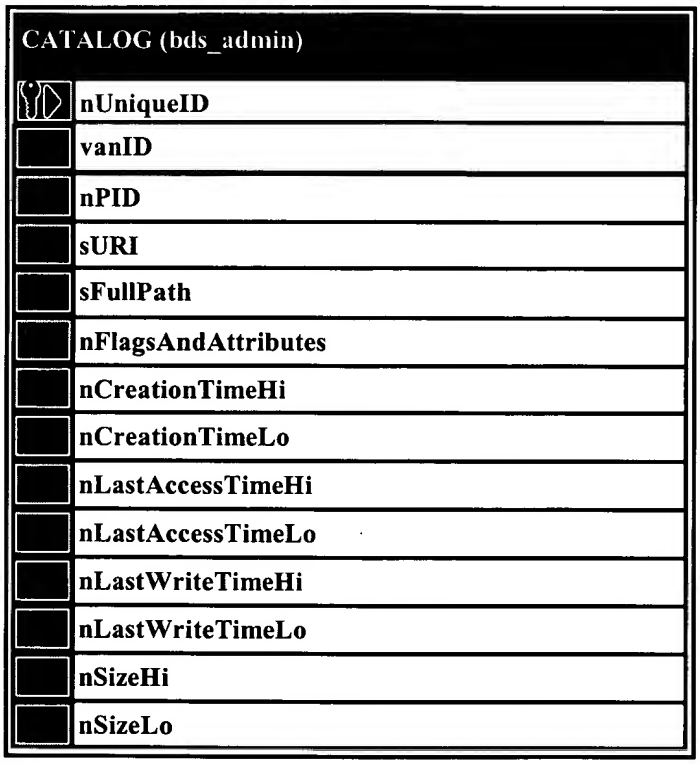

CATALOG (bds_admin)
nUniqueID
vanID
nPID
sURI
sFullPath
nFlagsAndAttributes
nCreationTimeHi
nCreationTimeLo
nLastAccessTimeHi
nLastAccessTimeLo
nLastWriteTimeHi
nLastWriteTimeLo
nSizeHi
nSizeLo

Figure 10

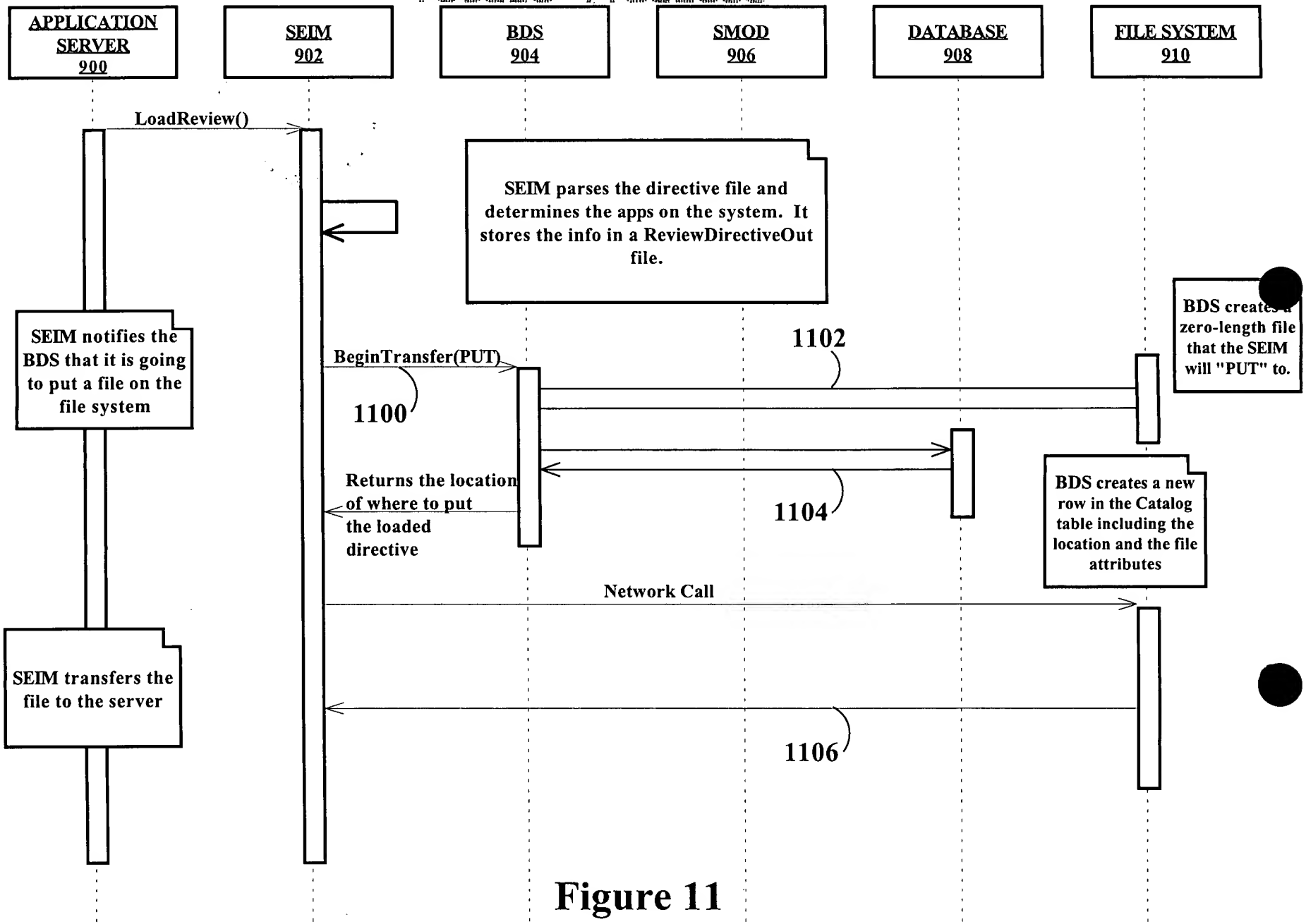

APPLICATION SERVER 900
SEIM 902
BDS 904
SMOD 906
DATABASE 908
FILE SYSTEM 910
LoadReview()
SEIM parses the directive file and determines the apps on the system. It stores the info in a ReviewDirectiveOut file.
SEIM notifies the BDS that it is going to put a file on the file system
BeginTransfer(PUT)
1100
1102
BDS creates a zero-length file that the SEIM will "PUT" to.
Returns the location of where to put the loaded directive
1104
BDS creates a new row in the Catalog table including the location and the file attributes
Network Call
SEIM transfers the file to the server
1106

Figure 11

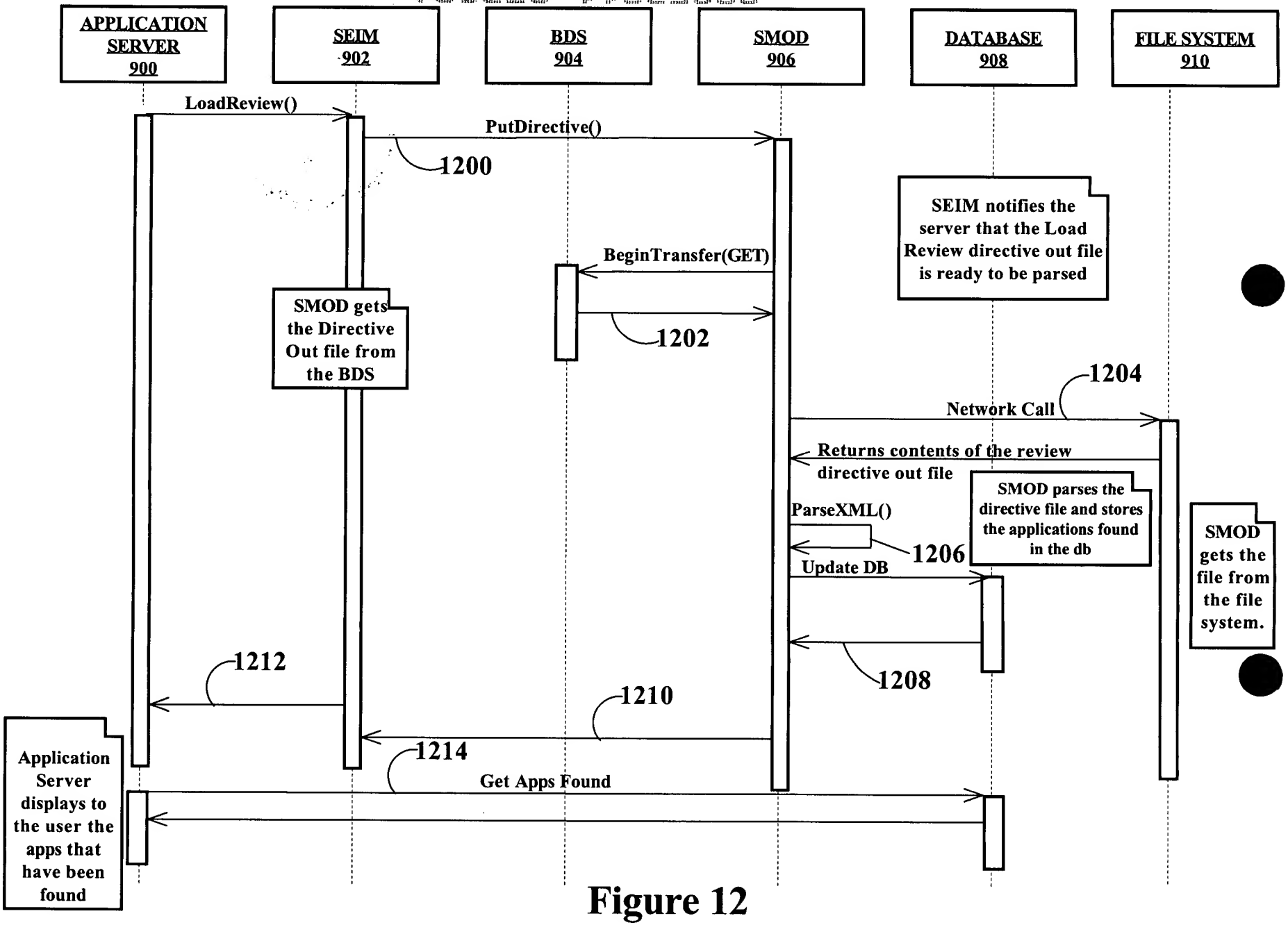

APPLICATION SERVER 900
SEIM 902
BDS 904
SMOD 906
DATABASE 908
FILE SYSTEM 910
LoadReview()
PutDirective()
1200
SEIM notifies the server that the Load Review directive out file is ready to be parsed
BeginTransfer(GET)
SMOD gets the Directive Out file from the BDS
1202
1204
Network Call
Returns contents of the review directive out file
SMOD parses the directive file and stores the applications found in the db
ParseXML()
1206
Update DB
SMOD gets the file from the file system.
1208
1212
1210
1214
Get Apps Found
Application Server displays to the user the apps that have been found

Figure 12

05652054.070502

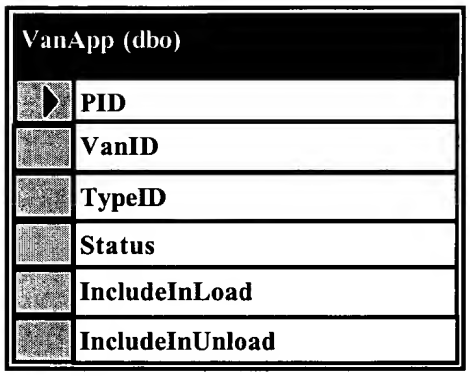


Figure 13

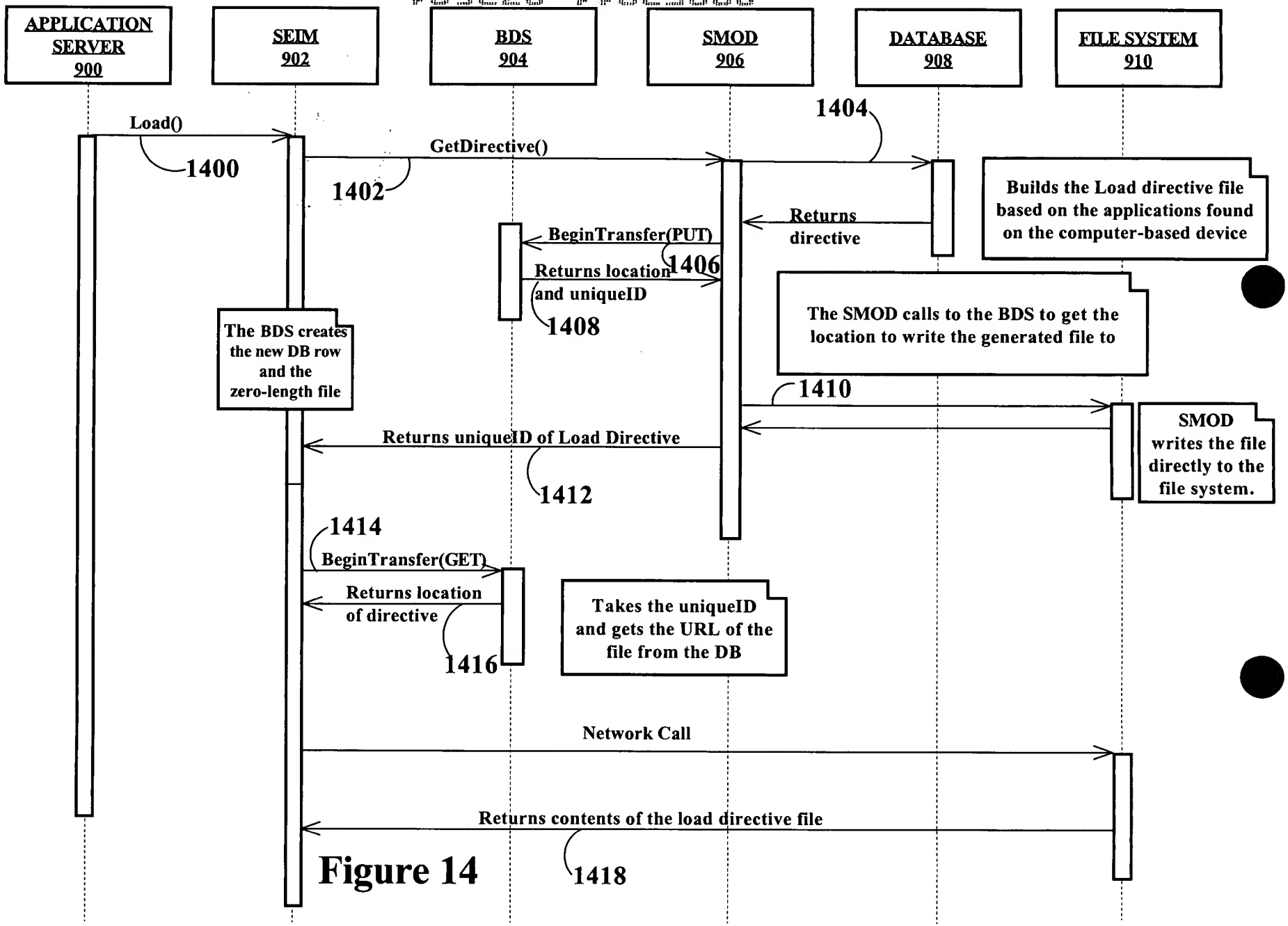

APPLICATION SERVER 900
SEIM 902
BDS 904
SMOD 906
DATABASE 908
FILE SYSTEM 910
Load()
1400
GetDirective()
1402
1404
Builds the Load directive file based on the applications found on the computer-based device
Returns directive
BeginTransfer(PUT)
1406
Returns location and uniqueID
1408
The BDS creates the new DB row and the zero-length file
The SMOD calls to the BDS to get the location to write the generated file to
1410
SMOD writes the file directly to the file system.
Returns uniqueID of Load Directive
1412
1414
BeginTransfer(GET)
Returns location of directive
1416
Takes the uniqueID and gets the URL of the file from the DB
Network Call
Returns contents of the load directive file
1418

Figure 14

8050054 - 070604

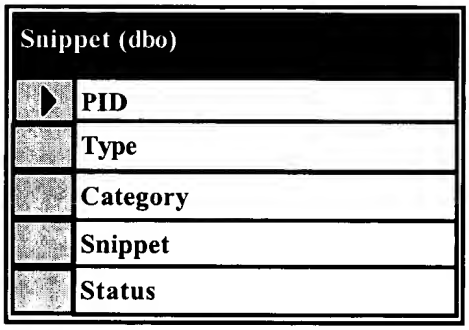


Figure 15

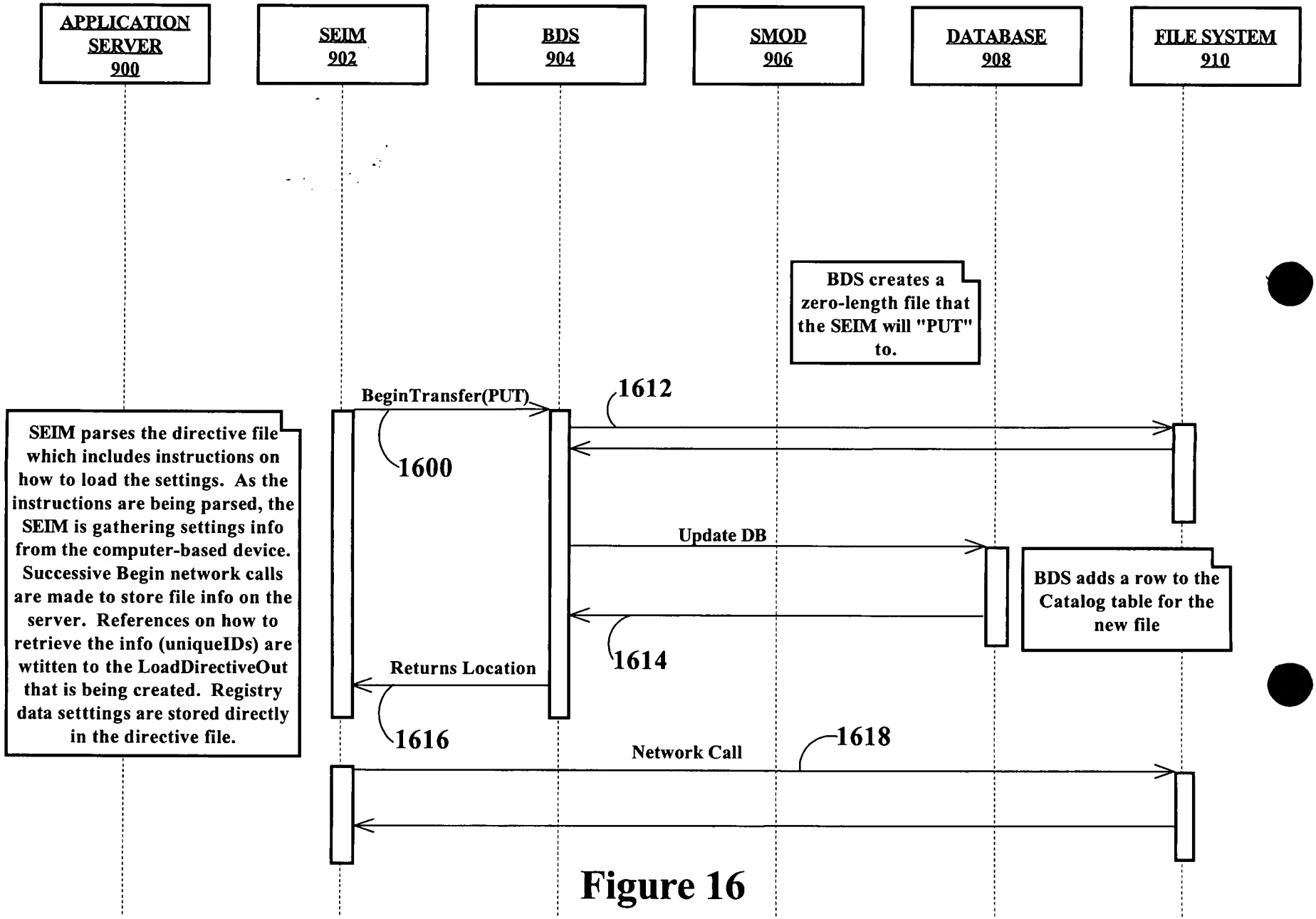

APPLICATION SERVER 900
SEIM 902
BDS 904
SMOD 906
DATABASE 908
FILE SYSTEM 910
BDS creates a zero-length file that the SEIM will "PUT" to.
BeginTransfer(PUT)
1612
1600
SEIM parses the directive file which includes instructions on how to load the settings. As the instructions are being parsed, the SEIM is gathering settings info from the computer-based device. Successive Begin network calls are made to store file info on the server. References on how to retrieve the info (uniqueIDs) are wtitten to the LoadDirectiveOut that is being created. Registry data setttings are stored directly in the directive file.
Update DB
BDS adds a row to the Catalog table for the new file
1614
Returns Location
1616
Network Call
1618

Figure 16

TOSA20-TO25860

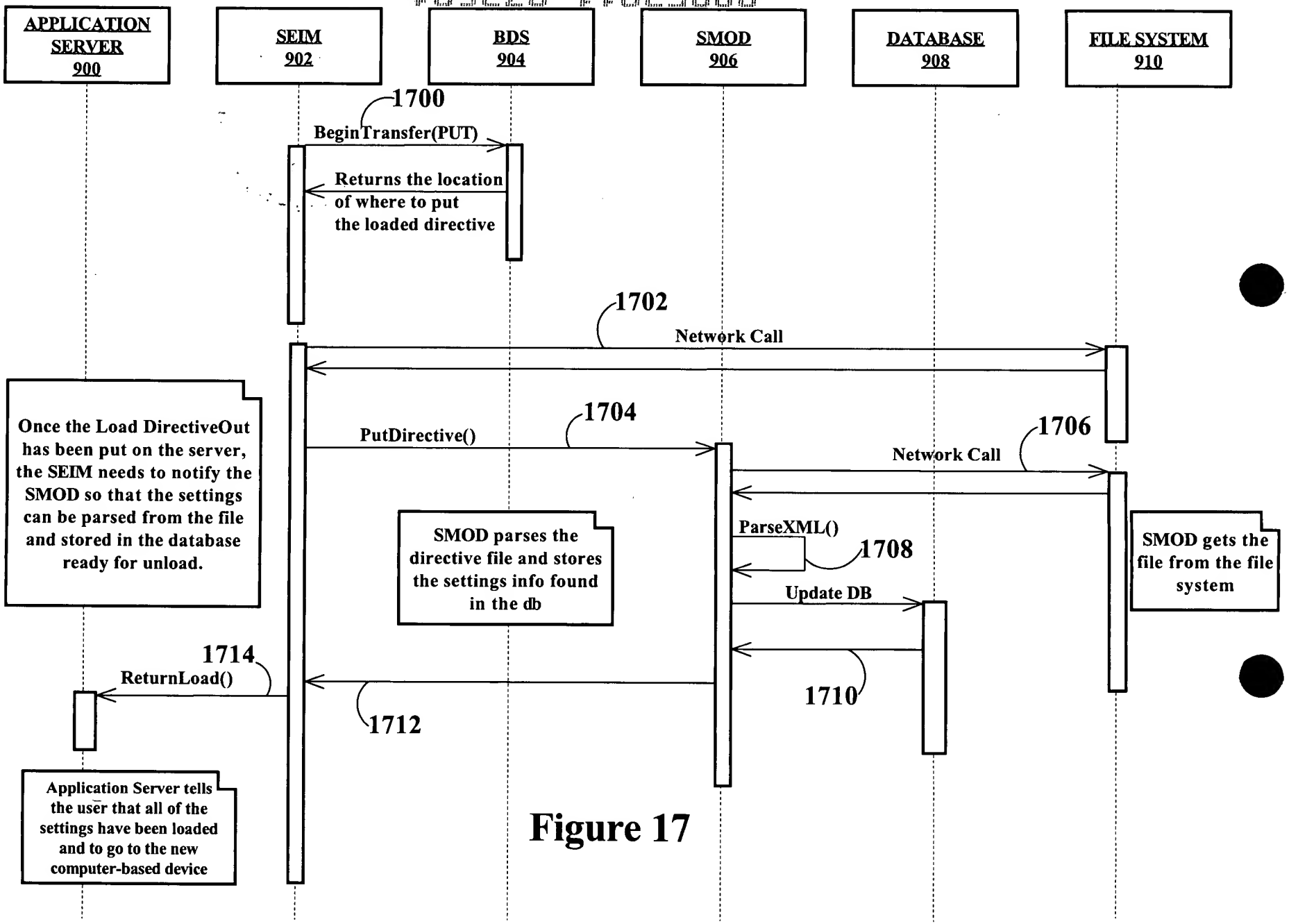


Figure 17

09852014 - 070504

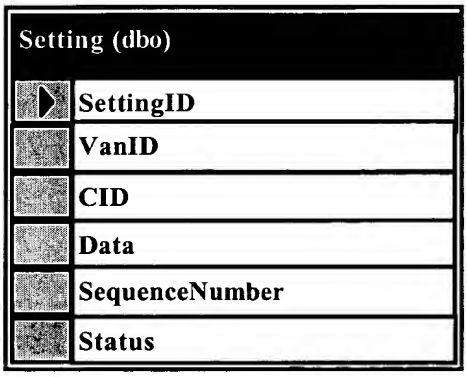
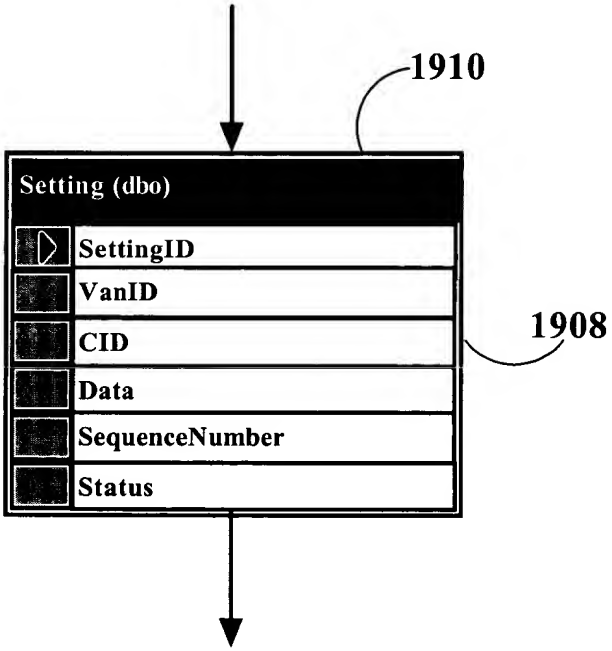


Figure 18

<StoreFileAtValue>HKCU\Software\Microsoft\WAB\WAB4\Wab File Name\
<CID>20</CID> 1906
</StoreFileAtValue>

1900



<StoreFileAtValue>HKCU\Software\Microsoft\WAB\WAB4\Wab File Name\
<CID>20</CID>
<Value>80596</Value> 1904
</StoreFileAtValue>

1902

Figure 19

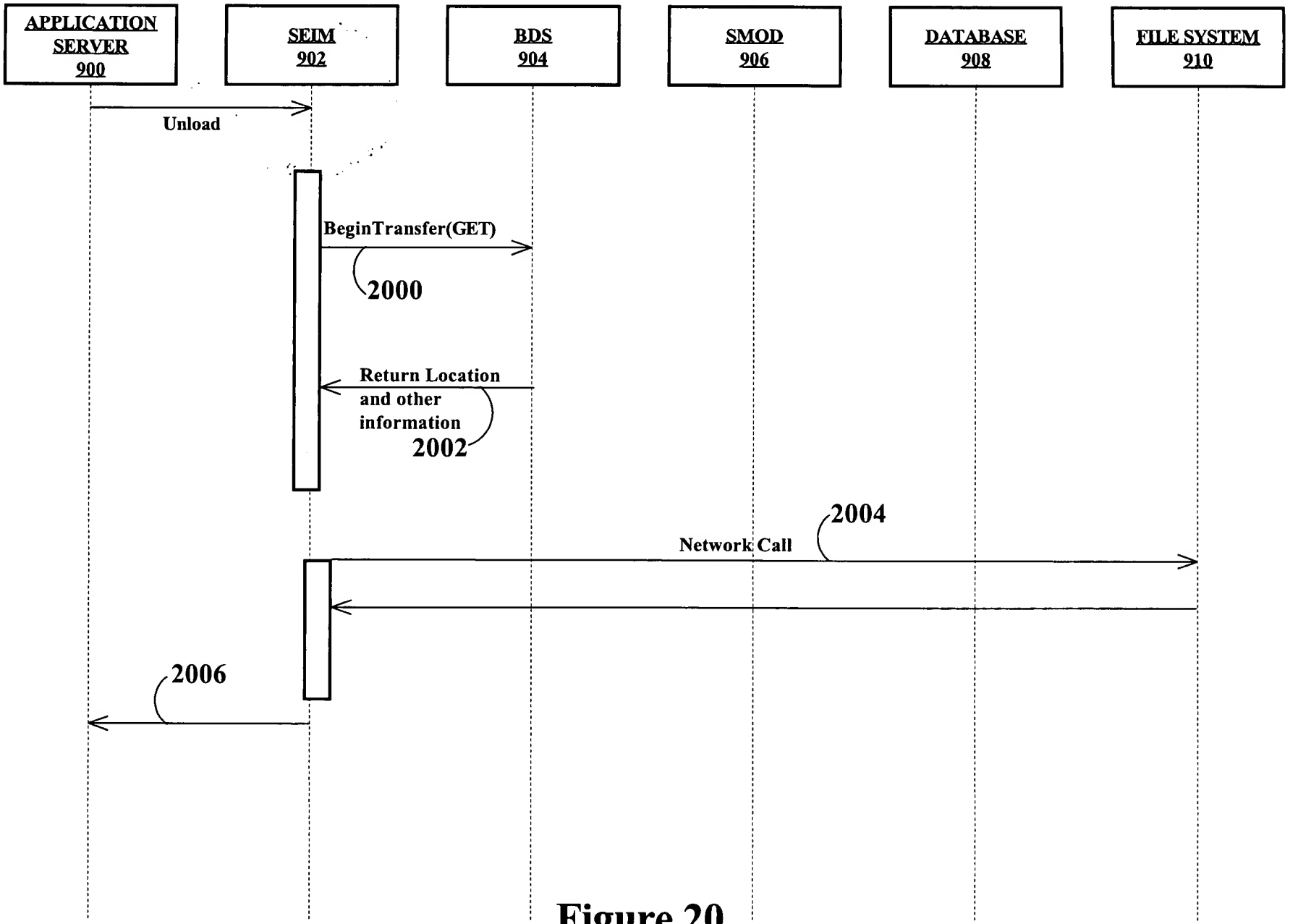

APPLICATION SERVER 900
SEIM 902
BDS 904
SMOD 906
DATABASE 908
FILE SYSTEM 910
Unload
BeginTransfer(GET)
2000
Return Location and other information
2002
2004
Network Call
2006

Figure 20